

SEQUENCE LISTING

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<120> ANTI-INTERFERON-ALPHA ANTIBODIES

<130> GENENT.074A

<150> 60/270775  
<151> 2001-02-22

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1  
<211> 114  
<212> PRT  
<213> Murine

<400> 1  
Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly  
1 5 10 15  
Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Ser Thr Ser  
20 25 30  
Ser Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
35 40 45  
Lys Val Leu Ile Ser Tyr Ala Ser Asn Leu Glu Ser Gly Val Pro Ala  
50 55 60  
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His  
65 } 70 75 80  
Pro Val Glu Glu Gly Asp Thr Ala Thr Tyr Phe Cys Gln His Ser Trp  
85 90 95  
Gly Ile Pro Arg Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Arg Arg  
100 105 110  
Ala Val

<210> 2  
<211> 119  
<212> PRT  
<213> Murine

<400> 2  
Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala  
1 5 10 15  
Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Glu Tyr  
20 25 30  
Ile Ile His Trp Val Lys Gln Gly His Gly Arg Ser Leu Glu Trp Ile  
35 40 45  
Gly Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe

50                   55                   60  
Lys Gly Lys Ala Thr Leu Thr Leu Asp Lys Ser Ser Arg Thr Ala Tyr  
65                   70                   75                   80  
Leu Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys  
85                   90                   95  
Ala Ser Trp Ile Ser Asp Phe Phe Asp Tyr Trp Gly Gln Gly Thr Thr  
100                 105                 110  
Leu Met Val Ser Ala Ala Ser  
115

<210> 3  
<211> 114  
<212> PRT  
<213> Artificial Sequence

<220>

<223> This sequence represents a humanized chimeric antibody comprising human and non-human sequences.

<400> 3

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1                 5                 10                 15  
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Thr Ser  
20                 25                 30  
Ser Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro  
35                 40                 45  
Lys Val Leu Ile Ser Tyr Ala Ser Asn Leu Glu Ser Gly Val Pro Ser  
50                 55                 60  
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser  
65                 70                 75                 80  
Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Ser Trp  
85                 90                 95  
Gly Ile Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100                 105                 110  
Thr Val

<210> 4  
<211> 110  
<212> PRT  
<213> Homo sapiens

<400> 4

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1                 5                 10                 15  
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Tyr  
20                 25                 30  
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35                 40                 45  
Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly  
50                 55                 60  
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65                 70                 75                 80  
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ser Leu Pro Trp  
85                 90                 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val  
100 105 110

<210> 5

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> This sequence represents a humanized chimeric antibody comprising human and non-human sequences.

<400> 5

Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Tyr Thr Phe Thr Glu Tyr  
20 25 30  
Ile Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ala Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe  
50 55 60  
Lys Gly Arg Phe Thr Ile Ser Leu Asp Lys Ser Lys Arg Thr Ala Tyr  
65 70 75 80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95  
Ala Ser Trp Ile Ser Asp Phe Phe Asp Tyr Trp Gly Gln Gly Thr Leu  
100 105 110  
Val Thr Val Ser Ser Ala Ser  
115

<210> 6

<211> 119

<212> PRT

<213> Homo sapiens

<400> 6

Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30  
Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ala Val Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95  
Ala Arg Gly Arg Val Gly Tyr Tyr Asp Tyr Trp Gly Gln Gly Thr Leu  
100 105 110  
Val Thr Val Ser Ser Ala Ser  
115

<210> 7

<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 7  
Arg Ala Ser Gln Ser Val Ser Thr Ser Ser Tyr Ser Tyr Met His  
1 5 10 15

<210> 8  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 8  
Tyr Ala Ser Asn Leu Glu Ser  
1 5

<210> 9  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 9  
Gln His Ser Trp Gly Ile Pro Arg Thr Phe  
1 5 10

<210> 10  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 10  
Gly Tyr Thr Phe Thr Glu Tyr Ile Ile His  
1 5 10

<210> 11  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 11  
Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe Lys  
1 5 10 15  
Gly

<210> 12  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 12

Trp Ile Ser Asp Phe Phe Asp Tyr  
1 5

<210> 13  
<211> 30  
<212> DNA  
<213> Homo sapiens

<400> 13  
gatcgggaaa gggaaaccga aactgaagcc

30

<210> 14  
<211> 30  
<212> DNA  
<213> Homo sapiens

<400> 14  
gatcggcttc agtttcgtt tccctttccc

30